

In the Claims:

Please **cancel claim 13** without prejudice to or disclaimer of the subject matter claimed therein.

Please **rewrite claims 1, 5, and 11** as follows:

1. (Amended) A device for generating a torque, comprising:
a hollow central tube;

a pair of endplates mounted on said central tube, such that said pair of endplates are rotatable about said central tube;

a plurality of elongate members extending between said pair of endplates and radially spaced apart from said central tube, such that said plurality of elongate members are rotatable about said central tube along with said pair of endplates; and

at least one wire loop made from a shape memory effect material wound about said central tube and each of said plurality of elongate members, said wire loop having been trained in accordance with shape memory effect principles to asymmetrically deform by extending one side of the wire loop laterally in a direction away from the other side of the wire loop when locally heated, each of said wire loops being oriented so said asymmetric deformation occurs in the same direction.

5. (Amended) An engine comprising:

a central tube;

a pair of endplates mounted on said central tube;

at least one elongated member extending between said pair of endplates;

at least one wire loop around the central tube and said elongated member, said wire loop including a shape memory effect material and having been trained in accordance with shape memory effect principles to asymmetrically deform by extending one side of the wire loop laterally in a direction away from the other side of the wire loop when locally heated.

11. (Amended) A method for generating torque comprising:

rotatably mounting a pair of endplates about a central tube;

providing a plurality of satellite tubes extending between the endplates such that the endplates and the satellite tubes are rotatable about the central tube;

looping wire including a shape memory effect material about the central tube and each satellite tube of the plurality of satellite tubes; and

creating asymmetric circumferential deformation in the wire loop by feeding thermal energy through the central tube so as to activate the shape memory effect in each wire loop to extend one

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side of the wire loop laterally in a direction away from the other side of the wire loop,

wherein a torque on the respective tubes is generated by the asymmetric deformation and causes the pair of endplates and plurality of satellite tubes to rotate about the central tube.